San Jacinto River Waste Pits Superfund Site

USACE Support

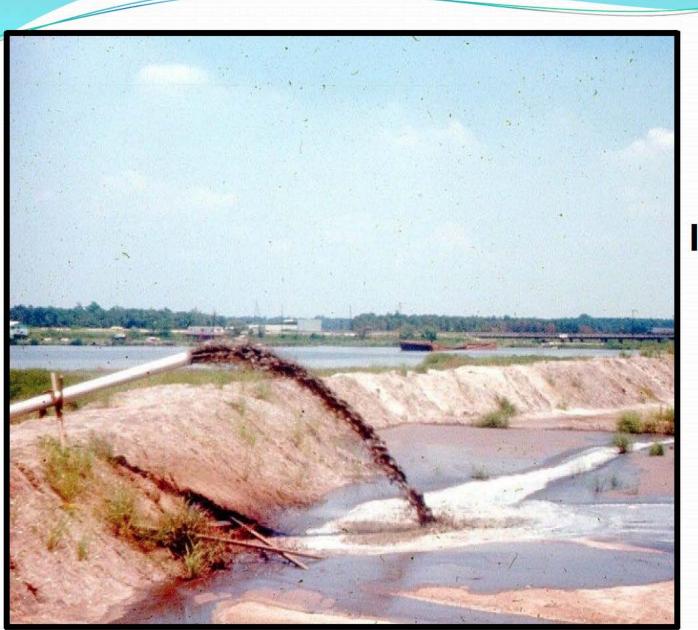






San Jacinto River Waste Pits

Oct 1964



South Impoundment 1965





Previous USACE involvement:

- Review of PRP modeling report.
- Review of PRP temporary cap design.
- Review of PRP draft Feasibility Study.
- Special Permit Area (EPA/USACE/TCEQ).



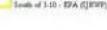
San Jacinto River Waste Pits

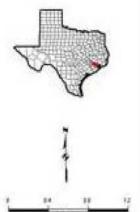
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Pomits Aircr of Concern-USACE DA TCEQ (DEWY)

1966 Congred Pasine Inc. of Temperatubeauth - EPA (1) KWP)

Destrict Depression of Seek of 3-10 - EPA (CHWF)





Security Asset phone to Store Digentificials (1900). Performing a from EPA Region 6. The Congress of The Congress of Store EPA Region 6 was seen as the second by EPA Region 6 was gifted asset phone from USE 5. Improvedence for the of E10 was reached by EPA Region 6 was gifted asset phone them USE 5. Provide Asset of Congress in Store (EVACE, EPA, and TOEQ).

EPA stakes or claims in to the account of the data or to contribing the any particular con-

May mart of February 18, 2001



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The Issues:

San Jacinto River

Community concerns

San Jacinto River

- Upper Texas coast recorded 25 hurricanes, 7 of which were major (Category 3 to 5) storms.
- October 1994 storm greater than 100year flood (1.6 times):
 - Major soil erosion 8 pipelines ruptured &
 29 undermined; 3000 homes destroyed.
 - 10 to 12-feet of bed scour south of the I-10.



Lower San Jacinto River

San Jacinto River at I-10 (Photo: HCFCD)

Temporary Cap – Berm Erosion

- Western Berm erosion July 2012.
- Completion of repairs August 2012.





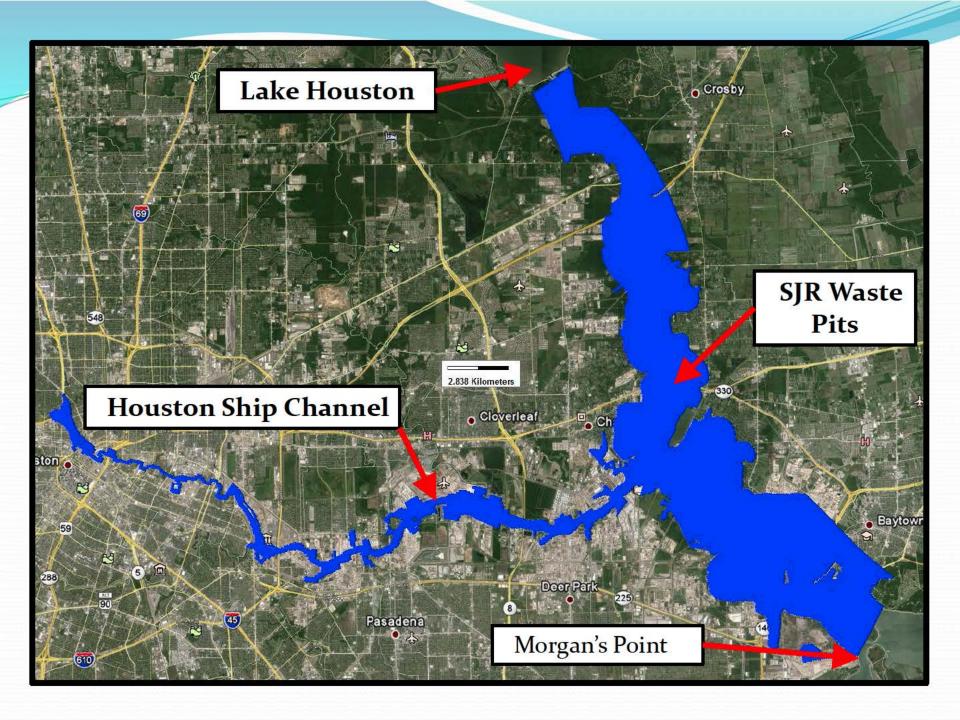
USACE Support

- Should waste stay or should it go?
- Construction oversight (future amend IAG).

Engineer Research and Development Center (ERDC), Vicksburg MS.

U.S. Army Corps of Engineers

- Computer models river flow & scour.
- Evaluation of remedial alternatives.
- Short & long term cap reliability? [storms, prop wash & barge strikes].
- Any migration through cap?
- Removal Best Management Practices.



U.S. Army Corps of Engineers <u>Completed work:</u>

- New model calibrated.
- Design/construction review of entire cap.
- Assessed potential dioxin migration through cap.
- Assessed potential barge strike impacts.
- Case history of armor failures.
- Sediment re-suspension & residuals; BMPs.

